HYDRA P
Tank level display

▶ HYDRA P offers a cost-effective solution for monitoring the level of liquid in the tanks with linear & non-linear signal

▶ The Bar graph + digital display reinforced by a backlight animation ensure a perfect lisibility

▶ 2 programmable outputs allow to report a level alarm and/or the level signal

▶ Thanks to a user-friendly software, it is fully customizable (identification, brightness & color display, scale, alarm threshold, etc ...)

▶ Finally, it can also be used as a display for other on-board processes (pressure, temperature, etc...)

FUNCTIONAL CHARACTERISTICS

Functions

▶ Customizable annunciators

▶ Display Range:
- Linear (min / max)
- Non-linear with up to 20 set points

▶ Two independent alarm set-points or analog retransmission

▶ User-adjustable backlight brightness and color in:
- Normal mode
- Alarm threshold mode with fix or flashing mode

Display

▶ Multi-functional display with:
- Customizable text on 4 characters
- 40 segment bar graph
- Large 4-digit current value

▶ Dynamic backlight color (white, green, red)

▶ Background : dark (bright in option)

Serial interface

▶ 1 x USB TYPE B port for programing with associated software (power & communication)

Inputs

▶ 1 Voltage : 0 to +/-10VDC, 100KΩ

▶ 1 Current: 0 - 50mA, 15Ω

Outputs

▶ 2 Independent programmable outputs in:
- Alarm threshold: 0VDC output (500mA Max) to be wired on a power relay.
- Analog signal: 4-20mA retransmission

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_ MECHANICAL CHARACTERISTICS _

Dimensions (HxLxD in mm)
- Overall : 72 x 72 x 53
- Cutout: 68 x 68 (H x L)

Weight
- 0.180 kg

Mounting
- Flush mounted with 2 clamping screws on the back
Max. panel/console thickness: 10 mm

_ ELECTRICAL CHARACTERISTICS _
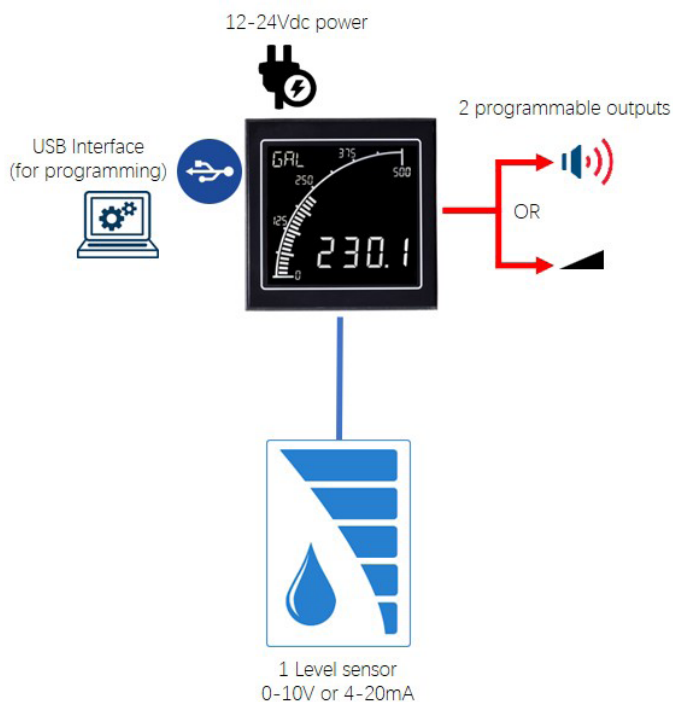
Power supply
- 12-24Vdc (+/- 10%)

Electrical connection
- Connection via a 10 point terminal blocks, 1.5mm².

Consumption
- Consumption XX mA Max. excluding the alarm output.

CONNECTION OVERVIEW

12-24Vdc power

USB Interface (for programming)

2 programmable outputs

OR

GAL   375
250   500
125
230.1
0

1 Level sensor
0-10V or 4-20mA

ENVIRONMENTAL CONDITIONS

Temperature limits
- -10°C to 60°C (functioning)
- - 40°C to 70°C (storage)

Humidity
- 85% humidity max.

IP

Protection rating
- IP65 (front face)

REFERENCES & OPTIONS

- HYDRA_P_F: Level display, dark background
- HYDRA_P_C: Level display , bright background (in option)
- HYDRA_P_KITPROG: programming kit, Software + USB 2.0 type A /B cable, 3m

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sail safely